

IN THE CLAIMS:

The following is a complete listing of the claims, and replaces all earlier listings and all earlier versions.

1. (Currently Amended) A radiation imaging system comprising a radiation image detection panel having means for converting ~~radiations~~ radiation into electrical signals, an outer enclosure which holds therein the radiation image detection panel, an elastic support means comprising an elastic body ~~wherein the radiation image detection panel is elastically supported by the elastic support means toward the outer enclosure~~, and a cushioning material provided between the radiation image detection panel on a radiation incident side and the outer enclosure, wherein the elastic support means pressurizes ~~elastically supports~~ the radiation image detection panel toward the outer enclosure from the side opposite to the radiation incident side of the radiation image detection panel.

2. (Previously Presented) The radiation imaging system according to claim 1, further comprising an electric-circuit board.

3. (Original) The radiation imaging system according to claim 2, wherein the electric-circuit board comprises a flexible circuit board.

4. (Previously Presented) The radiation imaging system according to claim 2, further comprising a support plate which supports the radiation image detection

panel, the electric-circuit board being provided integrally with the radiation image detection panel.

5. (Original) The radiation imaging system according to claim 1, wherein the elastic support means comprises a compression coiled spring, a leaf spring or a rubbery member.

6. (Original) The radiation imaging system according to claim 1, wherein the elastic support means comprises a spring member having a non-linear spring constant.

7. (Original) The radiation imaging system according to claim 6, wherein the spring member comprises an inconstant-pitch compression coiled spring.

8. (Original) The radiation imaging system according to claim 6, wherein the spring member comprises a conical compression coiled spring.

9. (Cancelled).

10. (Previously Presented) The radiation imaging system according to claim 1, wherein the cushioning material comprises a radiation-transmissive member.

11. (Previously Presented) The radiation imaging system according to claim 4, further comprising a stopper which is arranged to restrict the range in which the support plate is movable downward.

12. (Currently Amended) A radiation imaging system comprising a radiation image detection panel having means for converting ~~radiations~~ radiation into electrical signals, an outer enclosure which holds therein the radiation image detection panel, an elastic support means comprising an elastic body ~~wherein the elastic support means elastically supports an inner case which holds therein the radiation image detection panel~~, and a cushioning material provided between the radiation image detection panel on a radiation incident side and the outer enclosure, wherein the elastic support means pressurizes ~~elastically supports~~ the radiation image detection panel toward the outer enclosure from the side opposite to the radiation incident side of the radiation image detection panel.

13. (Cancelled).

14. (Previously Presented) The radiation imaging system according to claim 12, further comprising an electric-circuit board.

15. (Original) The radiation imaging system according to claim 14, wherein the electric-circuit board comprises a flexible circuit board.

16. (Previously Presented) The radiation Imaging system according to claim 14, further comprising a support plate which supports the radiation image detection panel, the electric-circuit board being provided integrally with the radiation image detection panel.

17. (Original) The radiation imaging system according to claim 12, wherein the elastic support means comprises a compression coiled spring, a leaf spring or a rubbery member.

18. (Previously Presented) The radiation imaging system according to claim 12, wherein the inner case has an opening at least on the side where the radiation is incident.

19. (Currently Amended) A radiation imaging system comprising a radiation image detection panel having means for converting ~~radiations~~ radiation into electrical signals, an outer enclosure which holds therein the radiation image detection panel, and an elastic support means, wherein the elastic support means elastically supports an inner case which holds therein the radiation image detection panel,

wherein the inner case has an opening at least on the side where the radiation is incident, and

wherein the inner case comprises a flange at the opening, and is supported by the elastic support means via the flange.

20. (Original) The radiation imaging system according to claim 19, wherein the elastic support means is provided on the sidewall of the outer enclosure, and is divided up and down at the support flange.